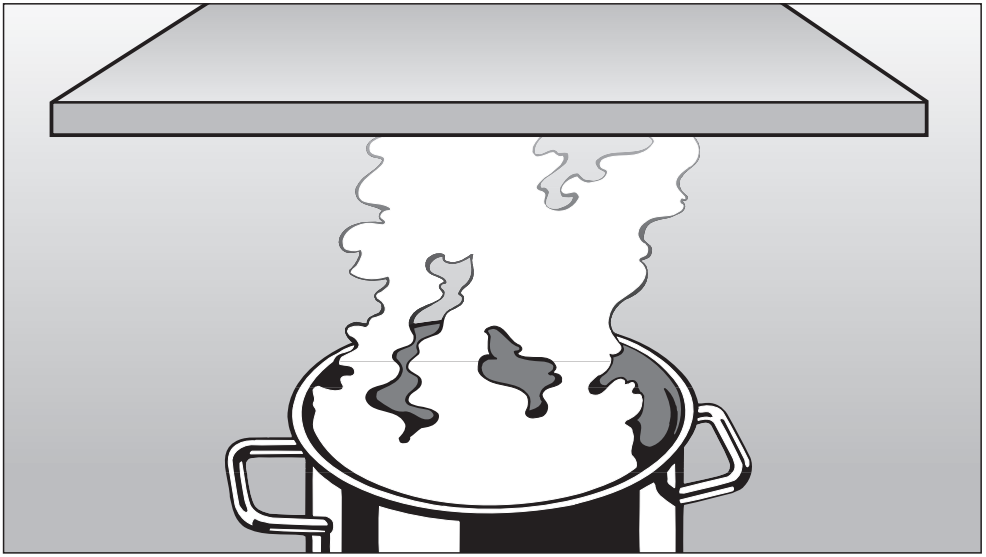
Operating and Installation Instructions



Ventilation System
DA 3160
DA 3180
DA 3190

To prevent accidents and machine damage, read these instructions **before** installation or use.

en - US, CA, SG

M.-Nr. 06 593 190

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Read these Operating Instructions carefully before installing or using the Ventilation System.

This appliance is intended for residential use only. Use the appliance only for its intended purpose. The manufacturer cannot be held responsible for damages caused by improper use of the hood.

This appliance complies with current safety requirements. Improper use of the appliance can lead to personal injury and material damage.

READ AND SAVE THESE INSTRUCTIONS

⚠ CAUTION
For General Ventilating Use Only. Do Not Use To Exhaust Hazardous Or Explosive Materials And Vapors.

▶ This appliance is designed to vent cooking smoke and odors only.

▶ Be certain your appliance is properly installed and grounded by a qualified technician.
To guarantee the electrical safety of this appliance, continuity must exist between the appliance and an effective grounding system. It is imperative that this basic safety requirement be met. If there is any doubt, have the electrical system of the house checked by a qualified electrician. The manufacturer cannot be held responsible for damages caused by the lack, or inadequacy, of an effective grounding system.

▶ Before connecting the appliance to the power supply make sure that the voltage and frequency listed on the data plate correspond with the household electrical supply. This data must correspond to prevent machine damage. If in doubt consult a qualified electrician.

▶ Installation work and repairs should only be performed by a qualified technician in accordance with all applicable codes and standards. Repairs and other work by unqualified persons could be dangerous and the manufacturer will not be held responsible.

▶ This equipment is not designed for maritime use or for use in mobile installations such as recreational vehicles or aircraft. However, under certain conditions it may be possible for installation in these applications. Please contact the nearest Miele dealer or the Technical Service Department with specific requirements.

▶ Before servicing or cleaning the unit, disconnect the hood from the power supply by either removing the fuse, unplugging it, or manually "tripping" the circuit breaker.

▶ Before discarding an old appliance, unplug it from the power supply and remove the power cord and any doors to prevent hazards.

Use

▶ Do not allow children to play with or operate the appliance or its controls. Supervise its use by the elderly or infirm.

▶ The halogen lamps become hot during use. Keep children away. Danger of burns.

▶ Do not flambé or grill with an open flame beneath the hood.
Flames could be drawn up into the hood by the suction and the grease filters may catch fire.

▶ Never operate gas burners without cookware. Turn the burner off when not in use. Adjust the burner so that the flames do not extend beneath the cookware. Do not overheat the cookware, e.g. when using a wok. The hood can be damaged due to excessive heat from the burners and the cookware.

▶ Do not use the hood without the grease filters in place.

▶ Clean the grease filters regularly. Dirty filters are a fire hazard.

▶ Do not use a steam cleaner to clean the hood. Steam could penetrate the electrical components and cause a short circuit.

▶ Always turn on the hood when using the cooktop to prevent damage from condensation.

⚠ WARNING - TO REDUCE THE RISK OF A COOKTOP GREASE FIRE:

▶ Never leave surface units unattended at high settings. Boilovers cause smoking and greasy spillovers may ignite. Heat oils slowly on low or medium settings.

▶ Always turn the hood on when cooking at high heat.

▶ Clean ventilation fans frequently. Grease should not be allowed to accumulate on the fan or filter.

▶ Use the proper pan size. Always use cookware appropriate for the size of the surface element.

⚠ WARNING
TO REDUCE THE RISK OF INJURY TO PERSONS IN THE EVENT OF A COOKTOP GREASE FIRE, OBSERVE THE FOLLOWING:

▶ **SMOTHER FLAMES** with a close fitting lid, cookie sheet, or metal tray, then turn off the burner.
BE CAREFUL TO PREVENT BURNS.
If the flames do not go out immediately, **EVACUATE AND CALL THE FIRE DEPARTMENT.**

▶ **NEVER PICK UP A FLAMING PAN -** You may be burned.

▶ **DO NOT USE WATER**, including wet dishcloths or towels - a violent steam explosion may result.

▶ Use a fire extinguisher **ONLY** if:

– You have a Class ABC extinguisher, and know how to operate it.

– The fire is small and contained in the area where it started.

– The fire department has been called.

– You can fight the fire with your back to an exit.

Installation

▶ ⚠ **WARNING**
To reduce the risk of fire only use metal ductwork.

▶ Provided a larger distance is not given by the manufacturer of the cooktop, follow the recommended minimum safety distances between a cooktop and the bottom of the hood:

- 22" (550 mm) above electric cooktops,
- 30" (762 mm) above gas cooktops,
- 26" (650 mm) above an open electric grill or an open electric boiler/fryer.

If local building codes require a greater safety distance, follow their requirement.

If there is more than one appliance beneath the hood and they have different minimum safety distances always select the greater distance.

When installing a custom front panel, regard the cooktop manufacturer's advice on the use of easily flammable material above the cooktop.

▶ Be careful not to damage hidden electrical wiring or plumbing when cutting or drilling into the wall or ceiling.

▶ Do not use an extension cord to connect the appliance to electricity. Extension cords do not guarantee the required safety of the appliance, (e.g. danger of overheating).

▶ Do not install this hood over cooktops burning solid fuel.

▶ Any fittings, sealant, or materials used to install the ductwork must be made of approved non-flammable materials.

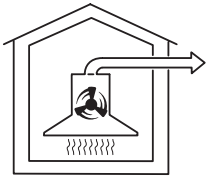
▶ Never connect an exhaust hood to an active chimney, dryer vent, flue, or room ventilating ductwork. Seek professional advice before connecting an exhaust hood vent to an existing, inactive chimney or flue.

▶ Ducted fans must always be vented outdoors.

▶ Make sure that the airflow in the room is sufficient for combustion and exhausting of all non-electric heating appliances (water heaters, gas cooktops, gas ovens, etc.), otherwise backdrafts may occur. Follow the heating manufacturer's guidelines and safety standards or those published by the National Fire Protection Association (NFPA), or the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE).
If in doubt, consult an experienced professional.

The ventilation hood offers two modes of operation:

Air extraction



The air is drawn in and cleaned by the grease filters and directed outside.

The hood comes equipped with a **non-return flap**. The flap automatically closes when the hood is turned off so that no exchange of outside air and room air can occur.

When the hood is turned on, the air pressure of the exhaust fan automatically opens the flap blowing the inside air and cooking odors outside.

Recirculation mode

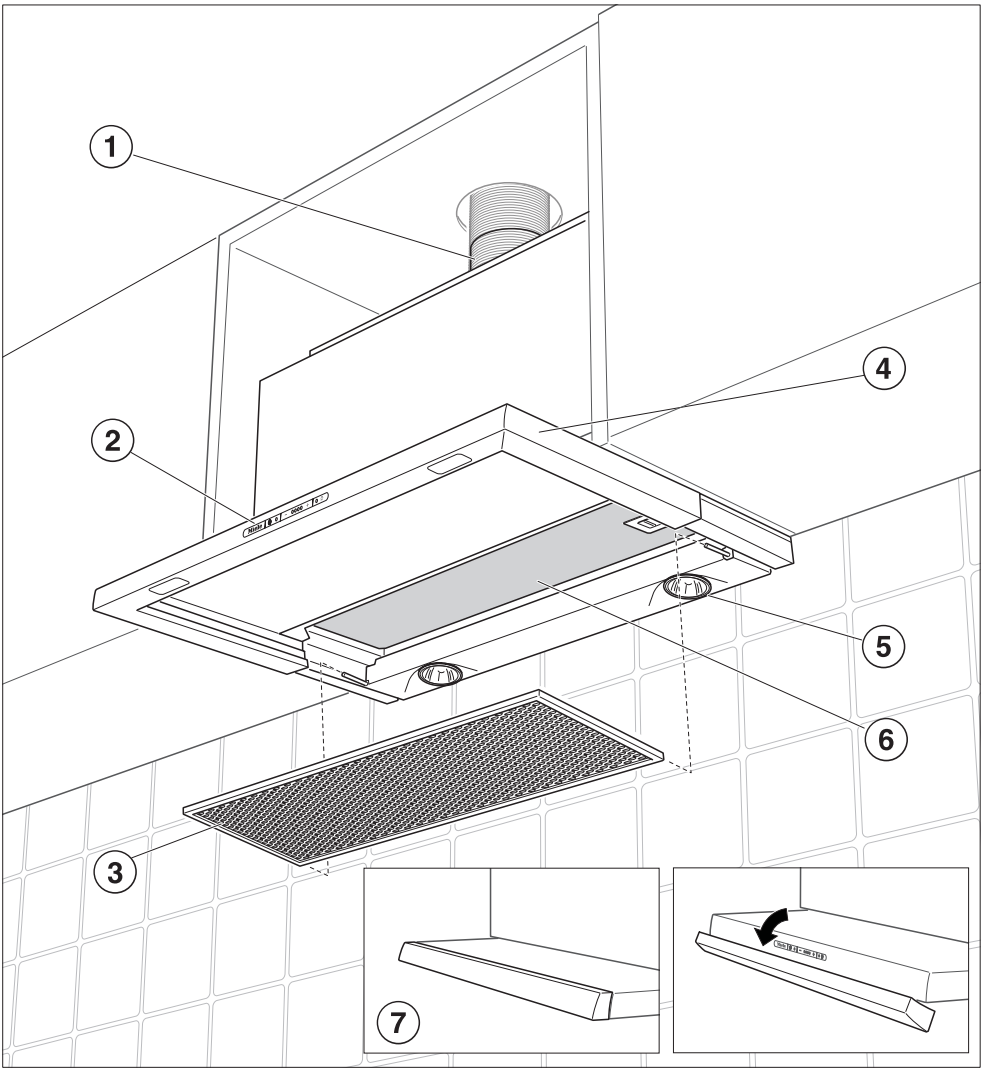
(recirculation installation kit available as an optional accessory)

Air is drawn through the grease filters and an **active charcoal filter**. The filtered air is then recirculated back into the kitchen through a vent at the top of the hood's chimney.

Active charcoal filters may be purchased from your Miele dealer or Miele.

Before using the hood in recirculation mode, ensure that the active charcoal filter is in place, see "Cleaning and care".

Guide to the hood



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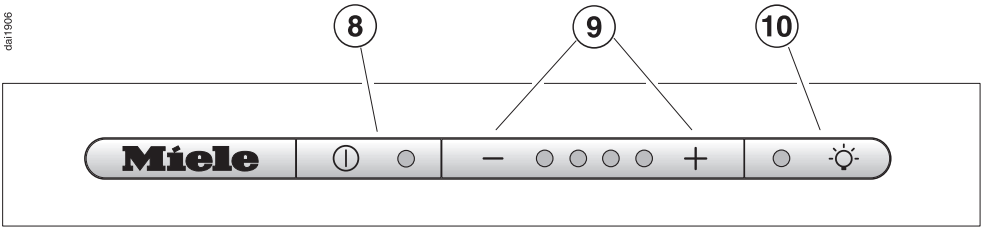


① **Vent connection**

② **Control panel**

③ **Grease filter**

④ **Expandable fume deflector**

⑤ **Overhead cooktop light**

⑥ **Active charcoal filter**

Optional accessory for recirculation mode

⑦ **Facia Panel**

Accepts a custom front panel with the DML 300 kit, optional accessory

⑧ **On/Off button**

⑨ **Power level buttons**

Four fan speed selection

⑩ **Light button**

Turning the fan on

■ Pull the deflector out.

The hood will operate at power level "2".

The On/Off indicator and the second "**-/+**" indicator will light.

Selecting the power level

Depending on how much the air needs to be filtered, there are four power levels available.

■ Use the "**-/+**" buttons to select the power level required.

The indicators show which power level has been chosen.

For normal cooking a low to medium level is usually sufficient.

For frying or cooking food with a strong aroma use the highest level.
Pull the deflector all the way out to ensure an optimal intake of cooking odors.

Fan performance

The maximum air flow capacity is 625 cfm. Factors such as narrow duct diameter and bends will affect this value.

Level 1 operates at 40% capacity
Level 2 operates at 60% capacity
Level 3 operates at 80% capacity
Level 4 operates at 100% capacity

There will also be a slight decrease in airflow for hoods operated in recirculation mode due to the active charcoal filter.

Turning the fan off

■ Push the deflector back in.
The next time the deflector is pulled out, the hood will operate on power level "2".

or

■ Press the On/Off button to turn the fan off.

The indicators go out.

Automatically switching back the Intensive power level

The intensive level "4" can be programmed to automatically switch back to level "3" after 10 minutes.

■ Turn the fan and the lights off.

■ Press and hold the "**-/+**" buttons for 10 secs. The first indicator of the fan power levels lights.

■ Press the following buttons one after another,

– light,

– the "**-**" button, and

– the light button again.

If the power level indicators flash the automatic switch back is not activated.

■ To activate the automatic switch back press the "**+**" button. The power level indicators "1" and "4" light.

■ To deactivate the automatic switch back press the "**–**" button.

■ To save the setting press the On/Off button.

Turning the light on and off

The light for illuminating the cooktop can be turned on or off independently of the fan.

■ Pull the deflector out to turn the light on. Push it in to turn it off.

or

■ Press the light button.

When the light is turned on the indicator next to the button illuminates.

■ Press the light button again.

The indicator will go out.

Before servicing or cleaning the hood, disconnect it from the power supply by "tripping" the circuit breaker or unplugging it.

Make sure power is not restored to the appliance while maintenance or repair work is performed.

Casing

Never use abrasive cleaners, scouring pads, steel wool or caustic (oven) cleaners on the hood. They will damage the surface.

- All external surfaces and controls can be cleaned with warm water and liquid dish soap applied with a soft sponge.
- Wipe dry using a soft cloth.

Do not use too much water when cleaning the controls. Water could penetrate the electronics and cause damage.

Stainless steel surfaces

(excluding the controls)

Stainless steel surfaces can be cleaned using a non-abrasive stainless steel cleaner.

To help prevent resoiling, a conditioner for stainless steel can be applied.

Controls

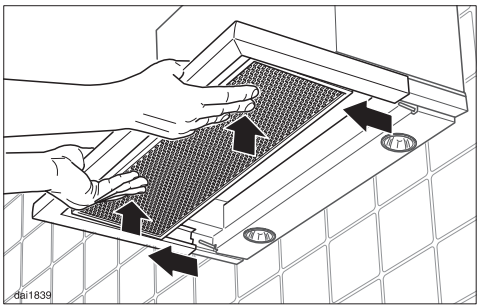
These controls may become discolored or damaged if not cleaned regularly.
Do not use a stainless steel cleaner on these controls.

Grease filter

The reusable metal grease filter removes solid particles from the vented kitchen air (grease, dust, etc).

The grease filter should be cleaned every 3 - 4 weeks.

A dirty filter is a fire hazard.



- To remove hold and pull out the deflector and the grease filter together.
- Pull the grease filter downwards and out. Support the grease filter so that it does not fall onto the cooktop.

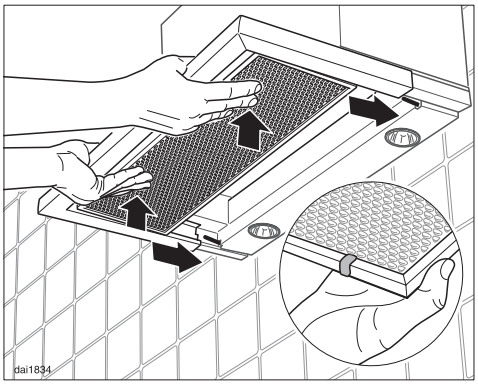
- Turn the hood off.

Cleaning the filter

- **By hand:** use a scrub brush with a solution of warm water and mild detergent.
  Do not use the pure detergent, aggressive all purpose cleaners, oven sprays, abrasive cleaning agents or limescale removers. They could destroy the filter.
- **In a dishwasher:** place the filter vertically in the lower basket, making sure that the spray arm is not blocked.
  Use a hot temperature program, e.g. "Heavy Soil" or "Pots and pans".
  Use the recommended amount of dishwasher detergent. Overuse could destroy the filter.

Depending on the detergent, cleaning the grease filter in a dishwasher may cause permanent discoloration of the filter surface. Performance of the filter will not be affected by this discoloration.

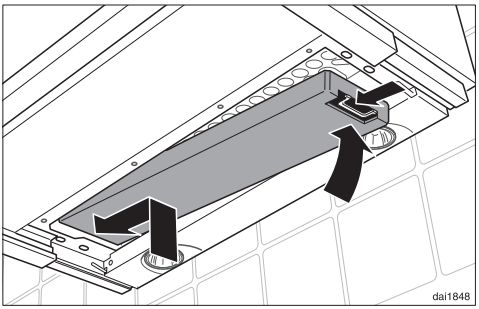
- After cleaning, the filter can be placed on a towel to air dry.
- While the filter is removed, clean any dirt or grease from the filter casing to prevent the risk of fire.



- To insert the grease filter, make sure that the **red plastic guides** are at the front and facing up.
- Insert the grease filter in the deflector and push upwards. It should glide onto the fixing pins.

Inserting / replacing the active charcoal filters

For recirculation mode an active charcoal filter must be used in addition to the grease filter. The charcoal filter is designed to absorb cooking odors. The active charcoal filter is inserted above the grease filter.



- Replace the filter every 6 months or when it is no longer absorbing cooking odors.
  Replacement active charcoal filters can be ordered from Miele.
- Follow the instructions supplied with the active charcoal filter.
- Dispose of the charcoal filter with the household waste.

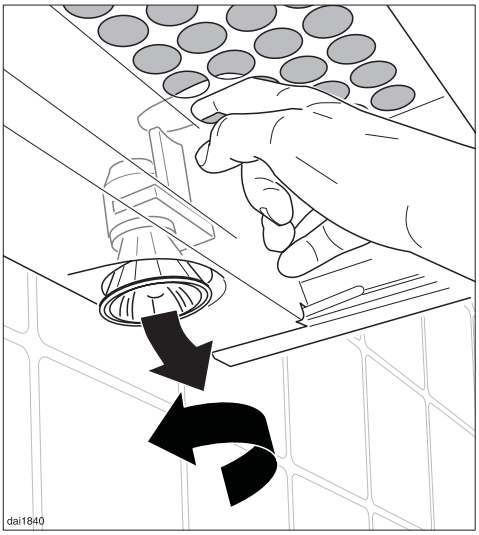
Changing the light bulbs

Before changing the light bulbs, disconnect the hood from the power supply by either removing the fuse, unplugging it, or manually "tripping" the circuit breaker.

When in use halogen bulbs become extremely hot, use caution. Do not attempt to change the bulbs until they have had sufficient time to cool.

Do not touch the bulb surface. Fingerprints or body oils deposited on the bulb will decrease its life. Follow the bulb manufacturer's instructions.

- Pull the deflector out and remove the grease filter as described in "Cleaning and Care - Grease filter".
- Remove the active charcoal filter if existent.



- Reach through the grille opening and push the light fixture downwards.
- Turn the bulb counterclockwise and pull it out of its socket.
- Replace the bulb with a new one in the reverse order and push upwards.
- Return the grease filter and if existent the active charcoal filter.

Repairs

In the event of a fault which you cannot easily fix yourself, please contact the Miele Technical Service Department.

- When contacting the Technical Service Department, please quote the model and serial number of your appliance.

These are shown on the data plate which is visible when the grease filters are removed.

MieleCare

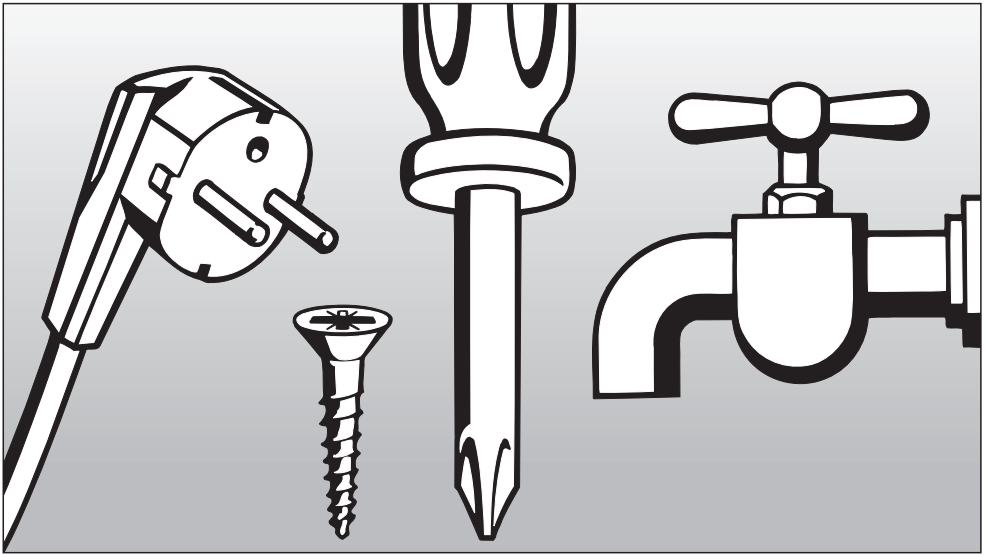
MieleCare, our Extended Service Contract program, gives you the assurance of knowing that your appliance investment is covered by 5 years of worry free ownership. **MieleCare** is the only Extended Service Contract in the industry that guarantees repairs by a Miele Authorized Service Provider using genuine Miele parts. Only genuine Miele parts installed by factory trained professionals can guarantee the safety, reliability, and longevity of your Miele appliance.

Please note that unless expressly approved in writing by Miele's Service department, Extended Service Contracts offered by other providers for Miele products will not be recognized by Miele. Our goal is to prevent unauthorized (and untrained) service personnel from working on your Miele products, possibly doing further damage to them, you and/or your home.

To learn more about **MieleCare** Extended Service Contracts, please contact your appliance dealer or visit us online at:

http://store.miele.com

Miele



Installation Instructions

Do not install this exhaust hood over cooktops burning solid fuel.

Provided a larger distance is not given by the manufacturer of the cooktop, follow the minimum safety distances between a cooktop and the bottom of the hood:

- 22" (550 mm) above electric cooktops,
- 30" (762 mm) above gas cooktops,
- 26" (650 mm) above an open electric grill or an open electric boiler/fryer.

If local building codes require a greater safety distance, follow their requirement.

If there is more than one appliance beneath the hood and they have different minimum safety distances always select the greater distance.

See "Important Safety Instructions" for further information.

If there is any doubt concerning installation, contact the Technical Service Department.

(USA) 1-800-999-1360
techserv@mieleusa.com

(CDN) 1-800-565-6435
service @ miele.ca

⚠ During the installation process, please be careful of sharp edges that can cause harm.

Electrical data

All electrical work should be performed by a qualified electrician in strict accordance with national and local safety regulations. Installation, repairs and other work by unqualified persons could be dangerous. The manufacturer can not be held responsible for unauthorized work.
Ensure that power to the appliance is "OFF" while installation or repair work is performed.

- Verify that the voltage, load and circuit rating information found on the data plate (located behind the grease filters), match the household electrical supply before installing the hood.
- Use only with rangehood cord-connection kits that have been investigated and found acceptable for use with this model rangehood.

If there is any question concerning the electrical connection of this appliance to your power supply, please consult a licensed electrician or call Miele's Technical Service Department.

(USA) 1-800-999-1360
(CDN) 1-800-565-6435

WARNING:
THIS APPLIANCE MUST BE GROUNDED

Grounding Instructions

This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing a path of least resistance. This appliance is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.
WARNING - Improper grounding can result in a risk of electric shock.
If there is any doubt, have the electrical system of the house checked by a qualified electrician. The manufacturer cannot be held responsible for damages caused by the lack, or inadequacy, of an effective grounding system.
Do not use an extension cord. If the power supply cord is too short, have a qualified electrician install an outlet near the appliance.

Important

The hood comes equipped with a 4 ft (1.2 m) power cord with a NEMA 5-15 molded plug for connection to a 120 VAC, 60 Hz, 15 A power outlet.

Maximum load . . . . . 450 W

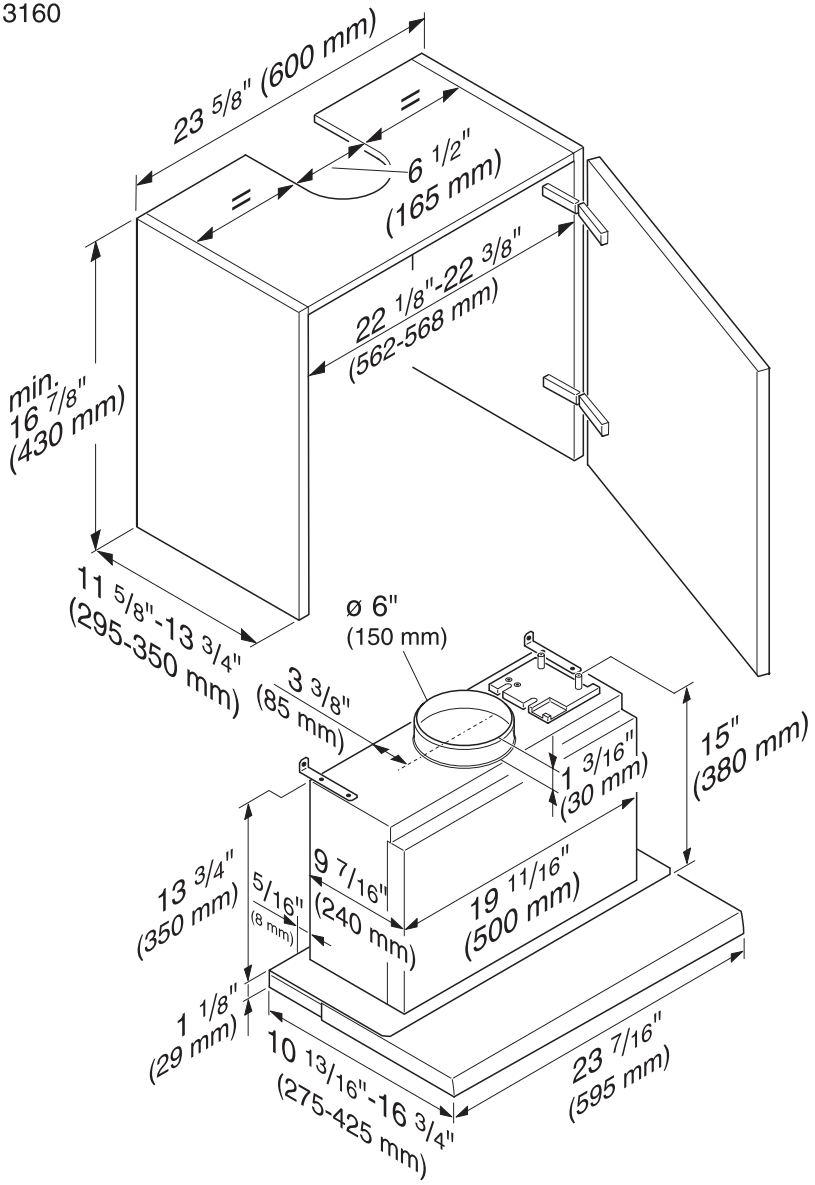
Light . . . . . 2 x 50 W

Voltage . . . . . 120 V

Frequency . . . . . 60 Hz

Circuit rating . . . . . 15 A

DA 3160



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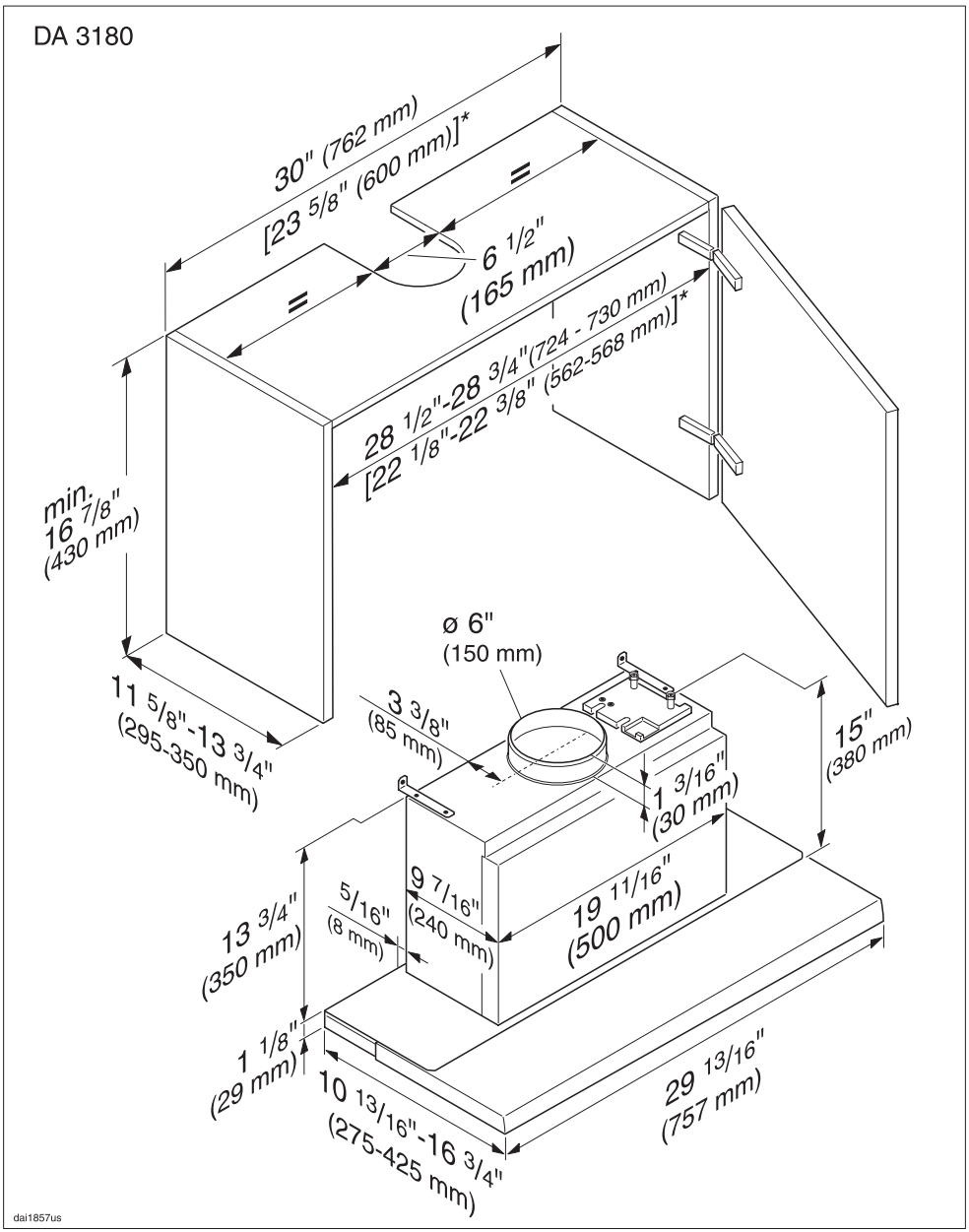
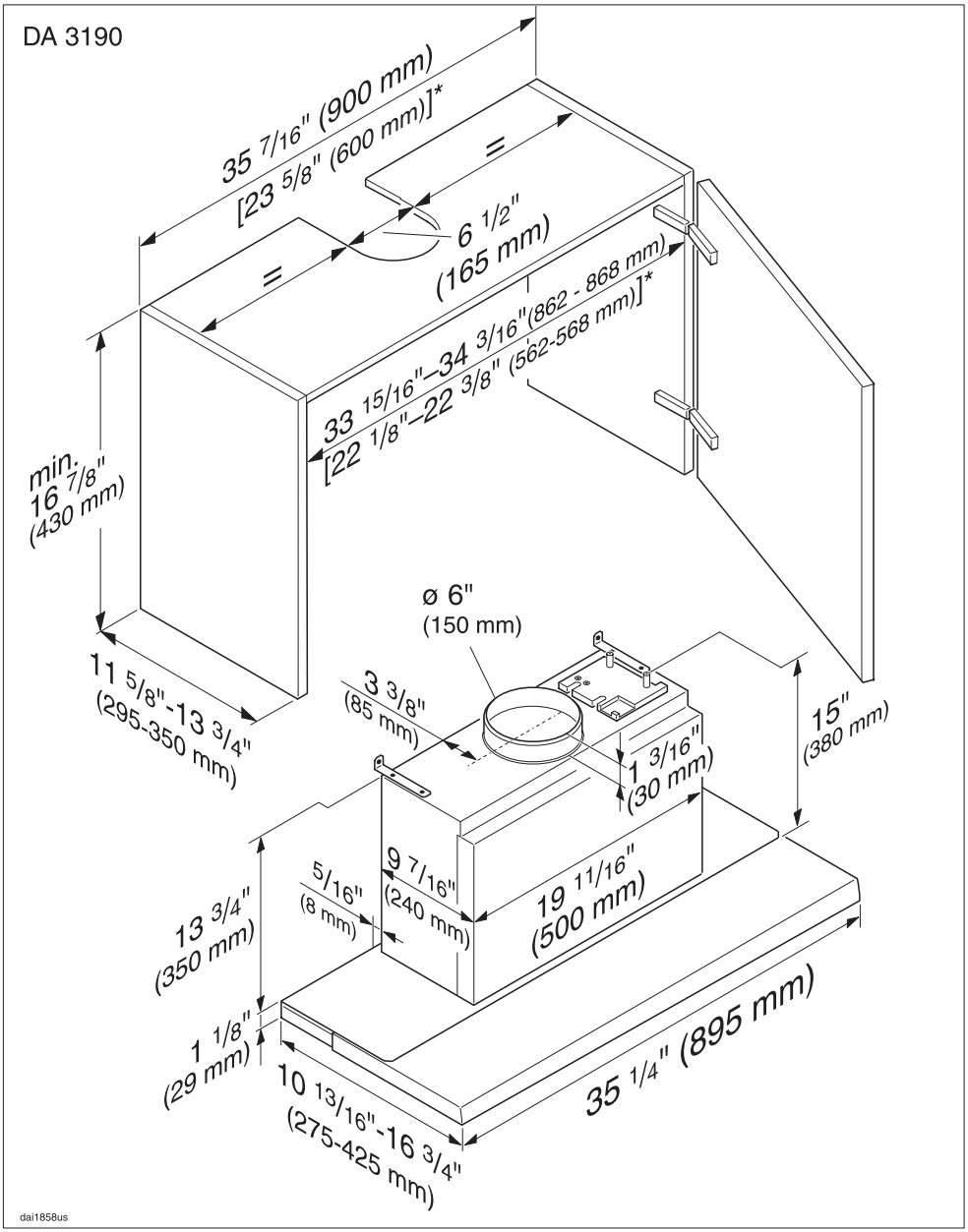
Appliance dimensions



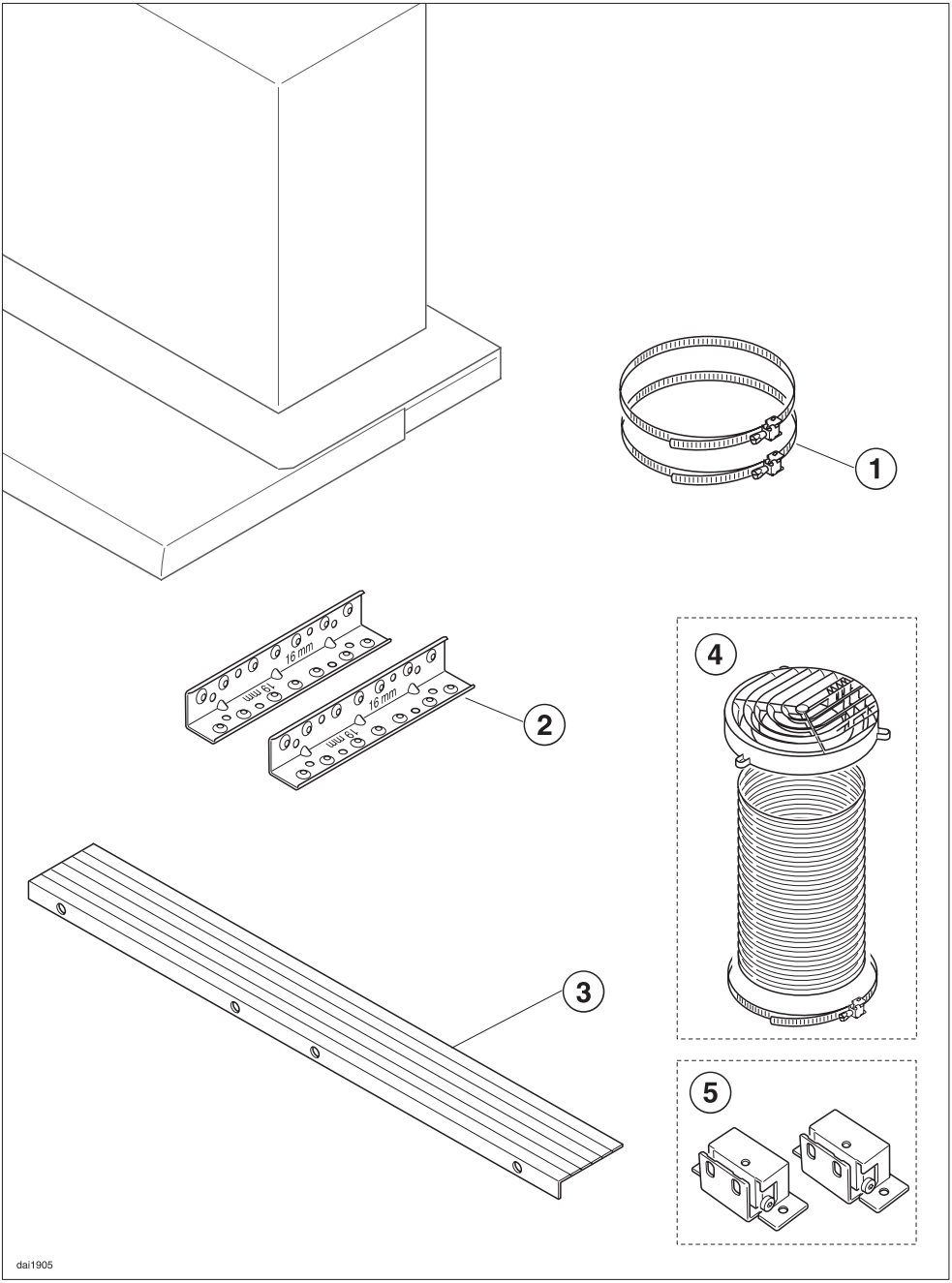
* The hood can also be installed in a 23 5/8" (60 cm) cabinet.



* The hood can also be installed in a 23 5/8" (60 cm) cabinet.

Installation

Installation accessories



① **2 hose clips**
to secure the vent ducting to the vent connection.

② **2 runners**
(1 x right, 1x left) to support the hood in the cabinet.

③ **1 spacer strip**
to conceal the gap between the rear of the appliance and the wall.

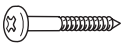
④ **Installation kit for recirculation mode**
contains air outlet grille and hose (not supplied with the hood, optional accessory)

⑤ **Installation kit DML 300 to install a custom panel**
contains retractable brackets and screws (not supplied with the hood, optional accessory)

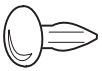
8 screws 3.5 x 16 mm
to anchor the ventilation hood in the cabinet.

8 screws M4 x 12 mm
to anchor the ventilation hood at the runners.

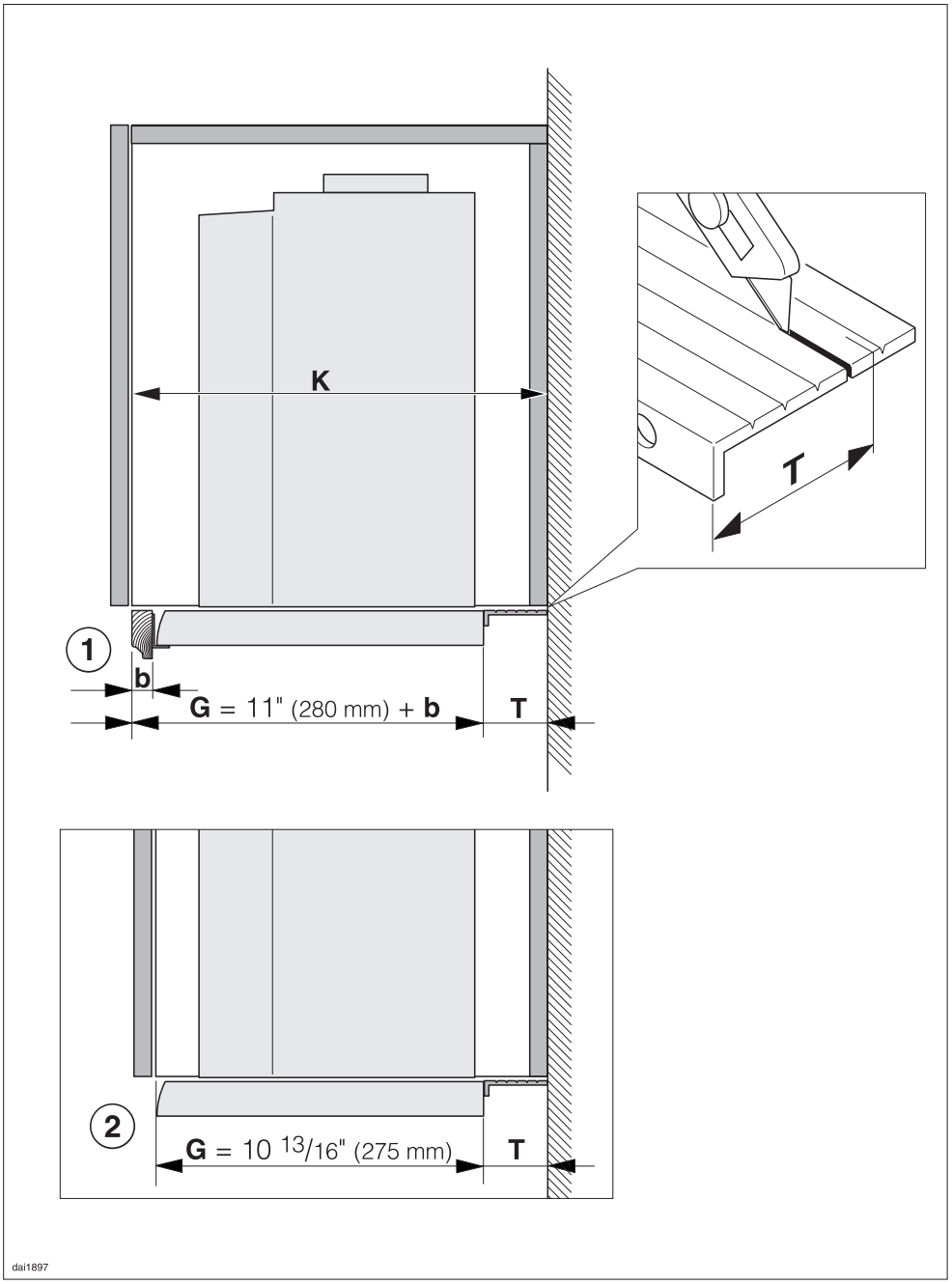
4 screws could be used (alternatively to the plastic rivet) to fix the spacer bar.



2 screws 4 x 30 mm
to anchor the ventilation hood at rear wall.



4 plastic rivets
to connect the space bar with the appliance rear wall.


K
T
1
b
G = 11" (280 mm) + b
T
2
G = 10 13/16" (275 mm)
T
dai1897

1. Installing the space bar

T = **K cabinet depth** minus **G hood depth**

- The hood depth **G** depends on the custom panel:

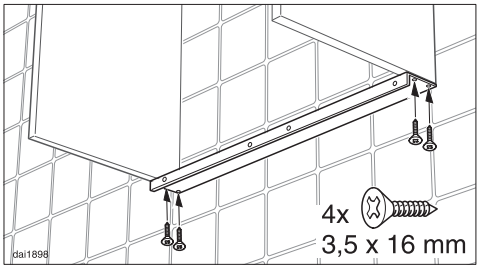
– ① Hood installed with a cabinet matching custom panel

– ② Hood installed without front panel

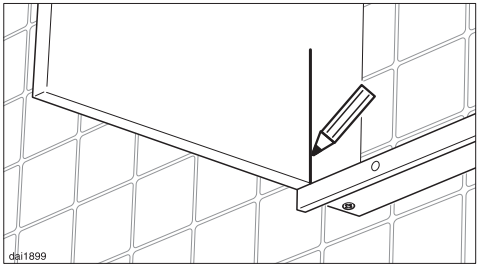
These measures are only valid for the installation if the front panel sits flush with the cabinet corpus (without the door).

If the front panel should be installed recessed or flush with the cabinet door, adjust the measure **T** accordingly.

- Cut the supplied space bar to measure **T**.
  Clip it with a knife at the predetermined breaking point of the next lower measure.

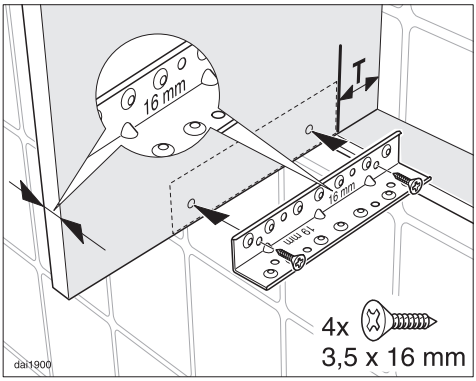


- Screw the space bar flush with the wall under the cabinet side walls.



- At the front edge of the spacer strip draw a vertical line on left and right side of the inside cabinet.

2. Runners



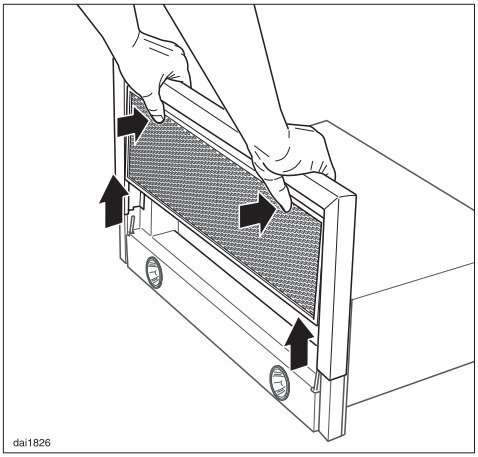
The runners are made for side walls of 5/8" (16 mm) and 3/4" (19 mm). Screw on the angled side which has the imprint of the respective cabinet wall measure.

- Align the runners with the drawn line and be sure that they are flush with the lower edge of the cabinet side wall. Screw the runners on the left and right side in the cabinet.

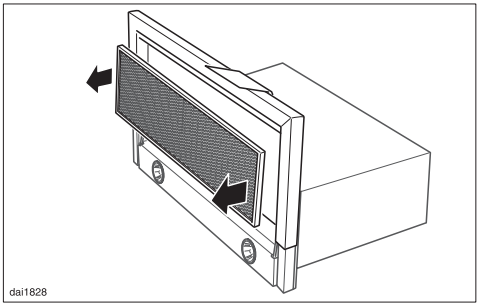
3. Installing the hood in the cabinet

- Lay the hood on its back side.

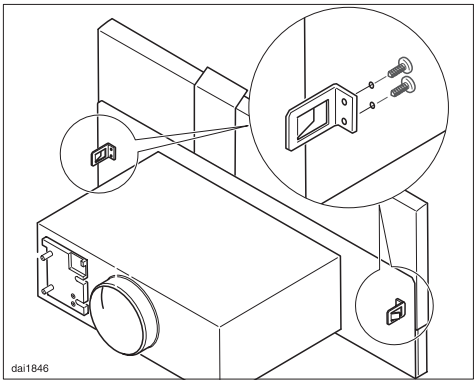
Do not remove the installation protector between the deflector and casing before the installation is completed.



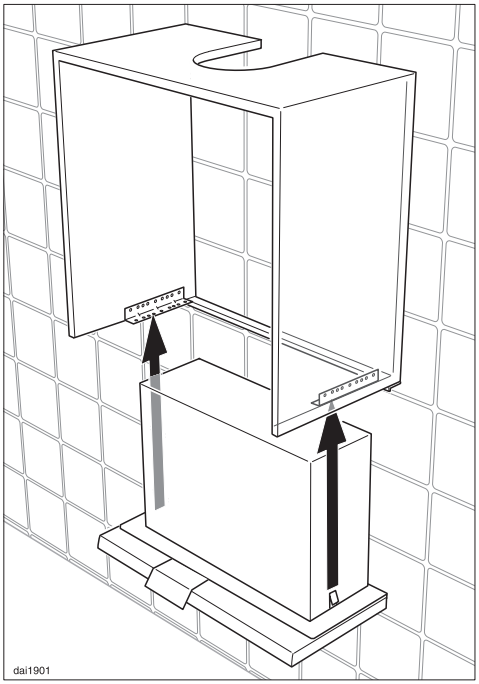
- Hold the grease filter and pull it out along with the deflector.



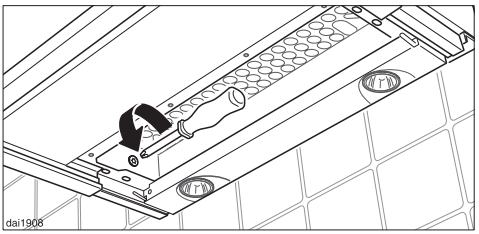
- Take the grease filter out and put it aside.
- Push the deflector back in.



- When installing a 29 $^{13}/_{16}$" (80 cm) or a 35 $^{1}/_{4}$" (90 cm) hood into a 23 $^{5}/_{8}$" (60 cm) cabinet, unscrew the deflector spring clips while the deflector is pulled out.



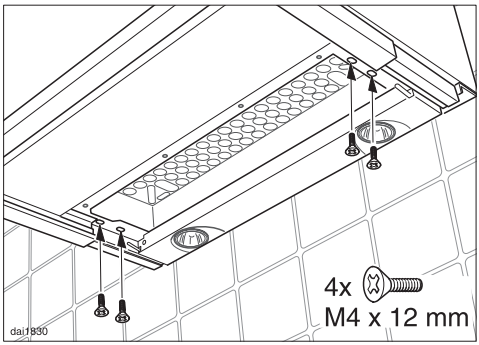
- Insert the hood into the cabinet from below and until the spring clips click into place.



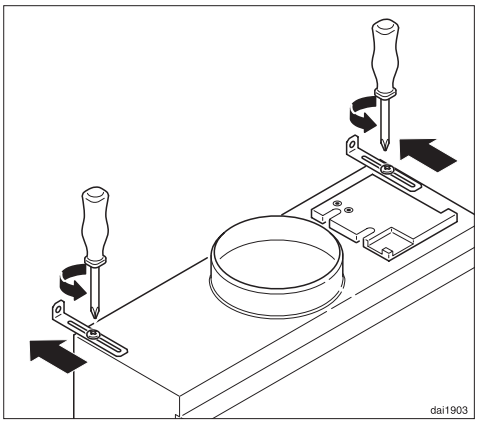
- To dismount the appliance: unscrew the screws to the left and the right of the inner side of the hood. The installation springs loosen and the hood can be removed from the cabinet.

4. Secure the appliance

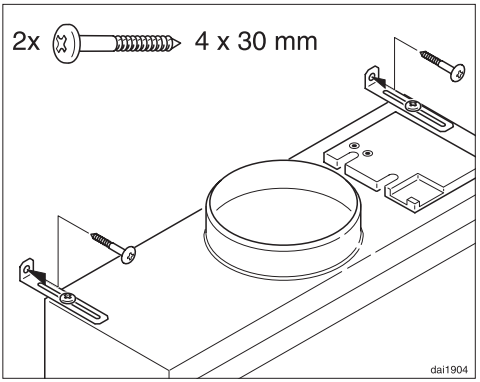
- Push the hood back so it sits flush with the front of the spacer strip.
- Pull the deflector out.



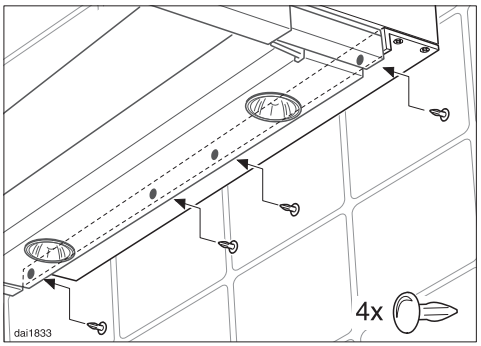
- Screw the hood, with 4 screws, onto the runners.
- Remove the installation protection between the deflector and casing.



- Loosen the screws of the fixing brackets on the hood top.
- Push the bracket flush to the wall or the cabinet back wall.

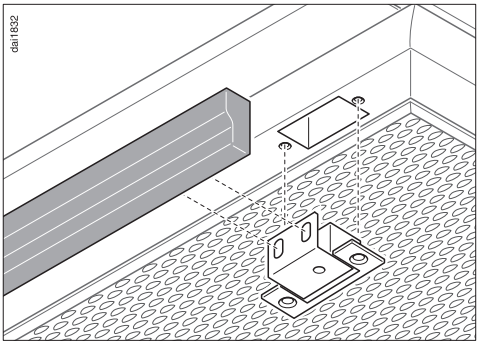


- Drill respective holes and screw the fixing brackets to the wall or the cabinet rear wall.
- Tighten the screws to the casing.

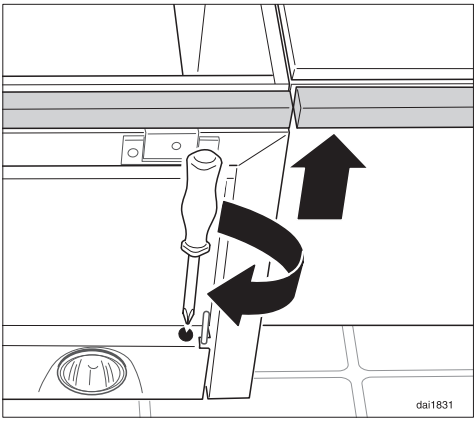


- Connect the space bar from the rear with 4 plastic rivets at the hood rear side.

5. Install the front panel if necessary

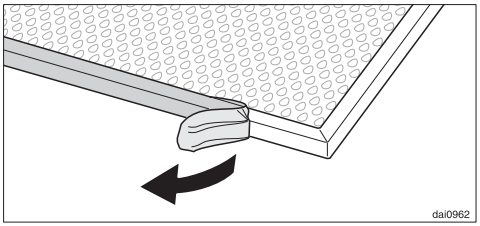


The installation kit DML 300 is necessary. It can be obtained as an optional accessory from Miele. The installation kit has an installation manual supplied.

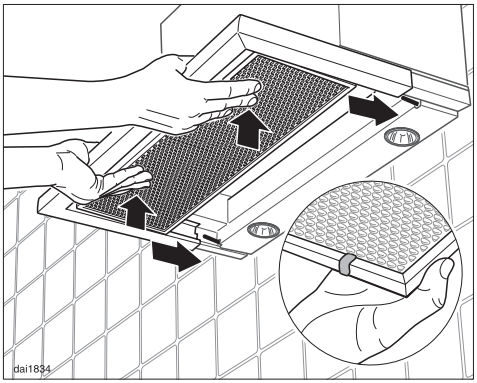


- The deflector can be adjusted up to 2" (50 mm) towards the front with the two adjusting screws left and right in the deflector. Adjust the deflector until it is flush with the front of the adjacent cabinetry.

6. Install the grease filter



- Remove the protective film from the grease filter frame.
- To reinsert the grease filter, pull the deflector out.



- Make sure that the **red plastic guides** are at the front and facing up.
- Insert the grease filter into the deflector, and push upwards. It should glide onto the fixing pins.

7. Venting

Air extraction mode

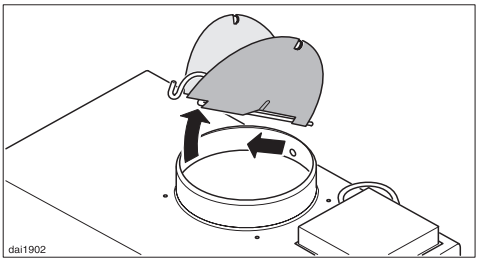
- Complete the venting installation, see "Air extraction".

Recirculation mode

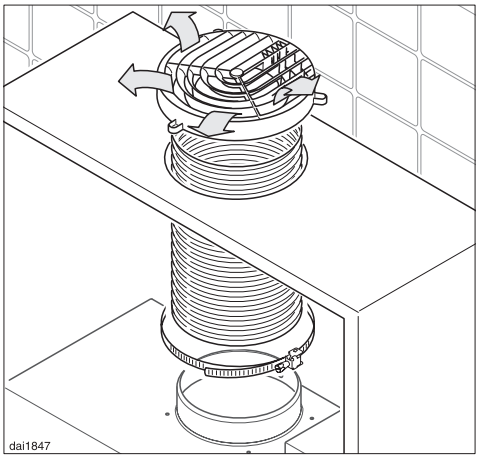
If the hood cannot be installed for air extraction the appliance must be connected for recirculation mode.

For recirculation mode a respective installation kit is recommended which can be obtained from Miele.

In addition an active charcoal filter is needed.



- The non-return flap is not needed for the recirculation mode. Pull the non-return flap off the bracket from the vent connection.



- Insert the hose from below into the air outlet grille.
- Insert the hose from the top though the opening in the cabinet.
- Secure the ventilation hose on the vent connection of the hood using a hose clip.

The non-return flap is not used in recirculation mode.

- Screw the air outlet grille onto the cabinet top.
  Make sure that the slats in the grill point towards the center of the room and not towards a wall or the ceiling.
- Install the Active Charcoal Filter (see "Cleaning and care").

8. Electrical connection

Refer to the notes in "Electrical connection" and "Important Safety Instructions" before connecting to the mains.

- Plug in the power cord.

⚠ **WARNING**

Danger of toxic fumes.

Gas cooking appliances release carbon monoxide that can be harmful or fatal if inhaled.
The exhaust gases extracted by the hood should be vented outside of the building only.

Do not vent exhaust air into spaces within walls or ceilings or in attics, crawl spaces, or garages

To reduce the risk of fire, only use metal ductwork.

Please read and follow the **"IMPORTANT SAFETY INSTRUCTIONS"** to reduce the risk of personal injury. Follow all local building codes when installing the hood.

Exhaust ducting and connections

– The ducting should be as short and straight as possible, and the number of sharp bends should be minimized.

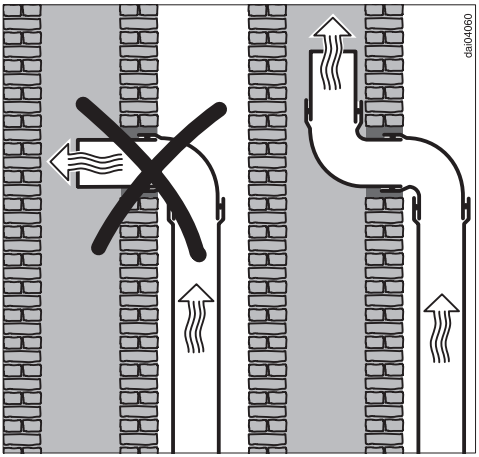
– For most efficient air extraction, the diameter of the ductwork should not be less than 6" (150 mm). Use of flat ducts also reduces the air extraction efficiency.

– Noise levels of the hood will increase if flat ducts or round ducts of less than 6" (150 mm) in diameter are used.

– Use smooth or flexible pipes made from approved non-flammable materials for exhaust ducting.

– Where the ductwork is horizontal, it must slope away from the hood at least $^{1}/_{8}$" per foot (1 cm per meter) to prevent condensation dripping into the appliance.

– If the exhaust is ducted through an outside wall, a Miele Telescopic Wall Vent can be used.



– If the exhaust is ducted into an inactive flue, the air must be expelled parallel to the flow direction of the flue.

Never connect an exhaust hood to an active chimney, dryer vent, flue, or room venting ductwork. Seek professional advice before connecting an exhaust hood vent to an existing, inactive chimney or vent flue.

Important

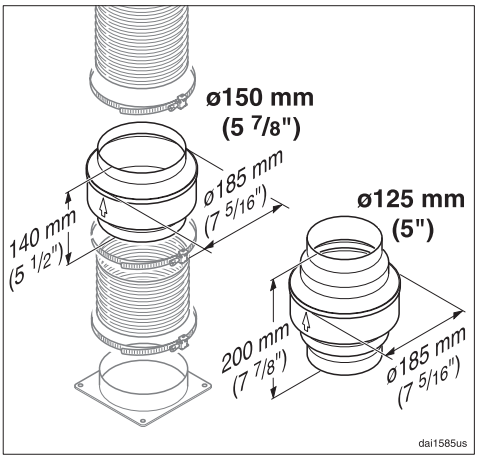
If the ductwork runs through rooms, ceilings, garages, etc. where temperature variations exist, it may need to be insulated to reduce condensation.

Condensate trap

optional accessory

In some cases, a condensate trap may be required to collect and evaporate any condensation which may develop. This optional accessory is available for ducts 5" (125 mm) and 5 $^{7}/_{8}$" (150 mm) in diameter.

■ When installing a condensate trap, ensure that it is positioned vertically and if possible directly above the exhaust outlet.



Disposal of packing material

The cardboard box and packing materials protect the appliance during shipping. They have been designed to be biodegradable and recyclable. Please recycle.

To prevent suffocation of children, ensure that any plastic wrappings, bags, etc. are disposed of safely and kept out of their reach.

Disposal of an old appliance

Old appliances may contain materials that can be recycled. Please contact your local recycling center about the possibility of recycling these materials.

Before discarding an old hood, unplug it from the outlet and cut off its power cord to prevent hazards.

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For the most updated manual see the Miele web site.